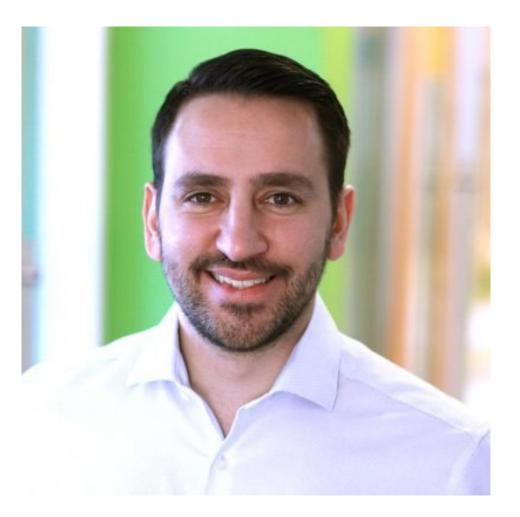
() innovation works

Matt Verlinich

- Manufacturing Program Associate Innovation Works
 - Manage Scalable Innovation Program
 - Connect entrepreneurs to manufacturing resources
 - Manage IAP & MIP Grants





Innovation Works

A nationally-recognized venture development organization focused on growing Southwestern Pennsylvania's entrepreneurial economy through direct investment, business expertise, and hands-on support.





Decentralized Delivery Allows Regional Focus

Statewide Benjamin Franklin Technology Partners (BFTP) Impact in 2018



BFTP Statewide Locations





WWW.NEP.BENFRANKLIN.ORG

Software May Eat the World, but You Still Need a Fork

B ERIE



IW Provides Critical Resources to the Region's Startup Community

475+ Cos

Funded since Oct. 1999

1,140 Cos

Companies have received business/financial assistance since 1999

#1 Ranked

Seed-stage investor nationally in 2018 by # of investments

\$3.3 Billion

Annual revenue generated by IW alumni companies

\$2.1 Billion

Total follow-on funding to IW companies since 1999

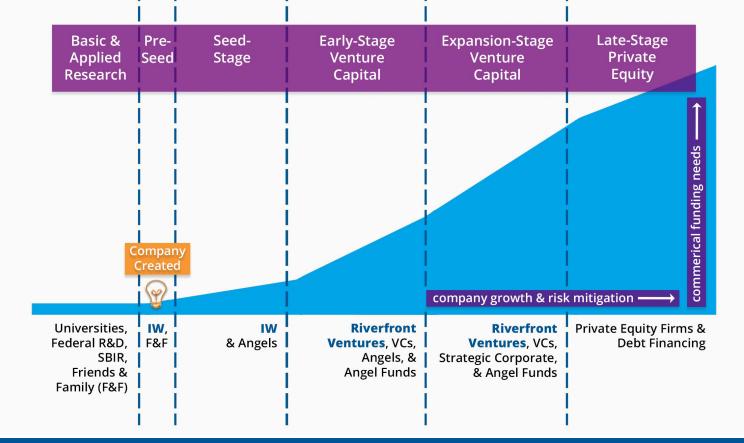
#6 Ranked

Accelerator program in the United States

70%+ of venture deals in the region are IW companies.

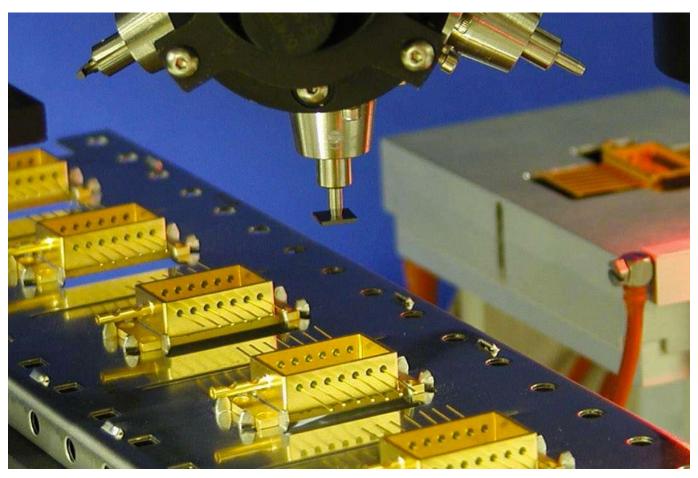


IW Provides Critical Resources at Key Stages of Company Growth





What hardware used to be...



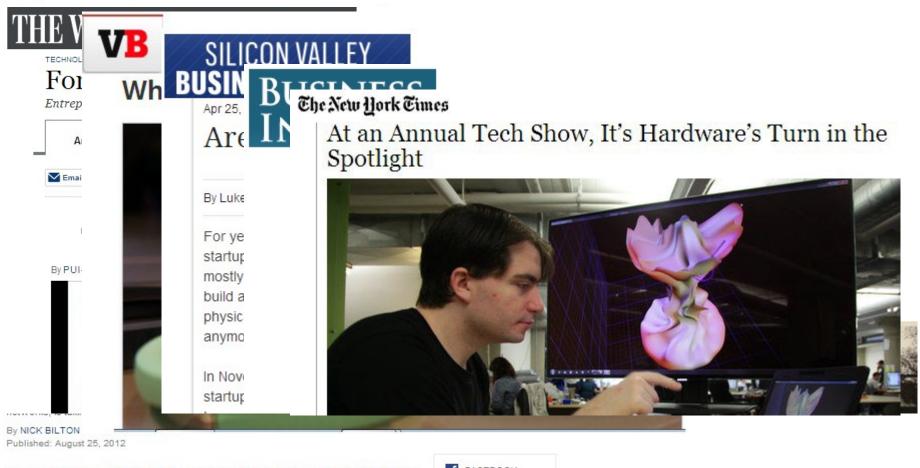






The Hardware Revolution

The New Hork Times



In recent years, Silicon Valley seems to have forgotten about silicon.

FACEBOOK



Building a Successful HW Company

- 1. Customer Validation
- 2. Product/Market Fit
- 3. Company & Team Building
- 4. Investor Buy In



Smart Prototyping

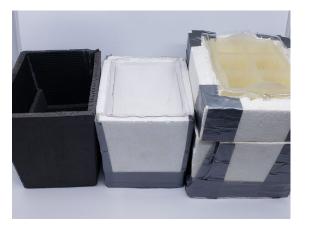
Fake it until you make it "works-like" vs. "looks-like" vs. MVP





One hypothesis at a time

Ugly & Fast beats Beautiful & Slow







Successful Products Start Simple

1st iPhone - iPod with up/down/left/right buttons

Ist Fitbit - single pedometer, not wireless, no subscription revenue

Ist DropCam - overpriced IP camera that was easier to use and had better software



Crowdfunding Tips

WKey to success is before the launch

Nail down 50%+ of total raise before launch

Everyone wants to back a winner

Your competitors are watching



Supply Chain Hacks

Shop outside the box

Ride high volume product coattails

Alibaba & Other Online Matchmakers

Never, ever be the guinea pig





Choosing a Manufacturing Partner

New Factory or New Product – Not both

Involve factory early – DFM

Small production runs to start, increase slowly

Ist Production Run....be there in person

Airtable 📾 Scalable DB - Manufacturing Resources Sign						
🆘 Hide fields 😇 Filter 🖽 Group 👫 Sort 📰						Q,
🗆 🚊 Name 🔹	County v	HQ Address v	Company Website 🔹	Brief Description *	Phone, Generic/Sales v	Email, Generic/S
108 Compunetix, Inc.	Allegheny	2420 Mosside Blvd. / / / M	www.compunetix.com		(412) 373-8110	
109 Conservation Labs, Inc.	Fayette	346 Pearl Street / / / Brown	http://www.conservationla	A low cost, easy to install s	(724) 208-1962	
110 Conspec Controls, Inc.	Washington	6 Guttman Boulevard / / /	http://www.conspec-contro		(412) 489-8450	
111 Control Analytics, Inc.	Westmoreland	6017 Enterprise Drive / / /	http://controlanalytics.com		(724) 387-2367	
112 Conturo Prototyping	Allegheny	Conturo Prototyping, LLC 4	https://www.conturoprotot		(412) 501-3888	sales@conturop
113 Conturo Prototyping, LLC	Allegheny	400 N. Lexington Street, #B	www.conturoprototyping.c		(412) 501-3888	
114 Copper and Brass Sales	Butler	102 Park Road / / / Cranber	http://www.tkmna.com		(724) 776-9602	
115 Covestro LLC	Allegheny	100 Bayer Road / / / Pittsb	www.covestro.com		(412) 777-2138	
CP Industries	Allegheny	2214 Walnut Street / / / Mc			(412) 664-6604	
117 Cugini Engineering Consultants	Domestic	755 Boardman Canfield Ro	www.cugini-eng.com	We are full staffed enginee	(330) 502-9976	tjmarzano@cug
118 Curtis Industries	Armstrong	105 W. Park Dr. West Hills I			(724) 545-8333	
119 Curtiss-Wright APSD	Westmoreland	291 Westec Drive / / / Mou			(724) 696-1605	
120 Curtiss-Wright Electro-Mechanical Corporation	Allegheny	1000 Wright Way / / / Ches			(724) 275-5348	
121 Custom Tool & Grinding	Washington	2131 W. Chestnut Street / /	http://www.customtool.co/		(724) 223-1555	
122 Cygnus Manufacturing Company LLC	Butler	491 Chantler Drive Saxonb	http://www.cmc-usa.com/		(724) 352-8000	salesinfo@cmc
123 Dacar Industries	Allegheny	1007 McCartney Street / / /			(412) 921-3620	



Design for Manufacture in the U.S.

Can be Lower Cost!

Time to Market

Inventory Carrying Costs

Quality Control & IP Protection



Distribution Amplifies Every Choice

Price high to start

Do things that don't scale...in the beginning

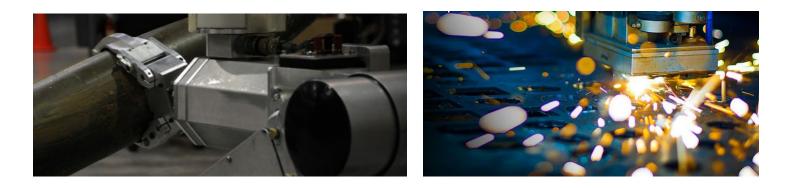
Engineering:Software => Marketing:Hardware







Regional Manufacturing Assets



Over 8000 Manufacturers in the region
 Skilled Advanced Manufacturing Work Force
 Infrastructure to support new manufacturers
 Leading research universities and other technology institutions



Industry Diversity





#1 City in World for HW

Regional Support for Manufacturing
 Experience working with early stage products
 Local Skilled Workers

PITTSBURGHERS KNOW HOW TO MAKE STUFF





What is an accelerator?

Philosophy

 Accelerate market learning through rapid iteration and testing early products with customers

Unique Model

- Focus on customer development intertwined with product design and development
- Mentorship, Education
- Community, Networking
- Funding
- Space

AlphaLab

 Founded Feb 2008 to build and accelerate Pittsburgh's software/Internet ecosystem

Leverage national and local trends

- Decreasing cost to build software products
- Agile development techniques

Charter member of Global Accelerator Network

#6 ranked accelerator nationally



The proven methodology of Agile Innovation applied to the specific needs of hardware startups



8-month program in our East Liberty workspace

Targeted mentorship and assistance with prototype development, engineering, user testing, design for manufacturing, supply chain management, and sales

Access to prototyping and manufacturing equipment and software





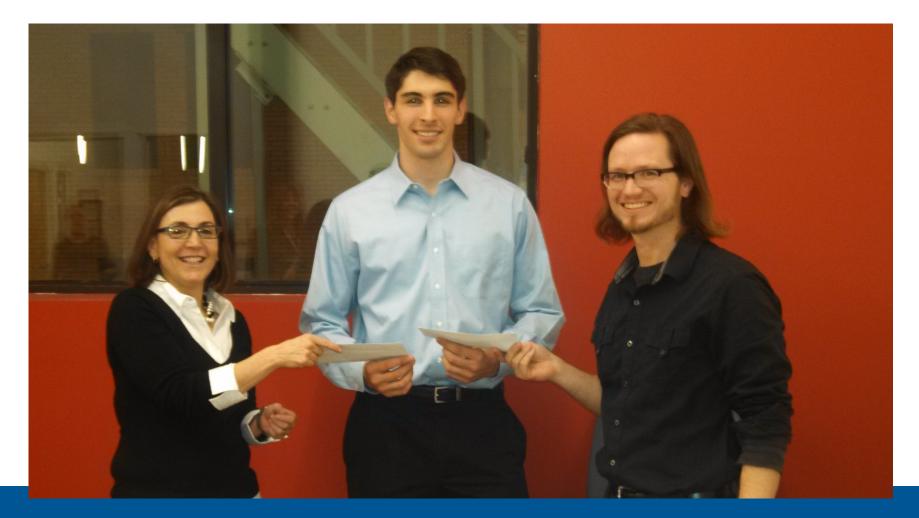
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Network, Community & Collaboration











Gear Results

For cycles 1 -4

Ø0%	50%		
Raised Follow on Funding	Received Innovation Works Funding		
\$15M+	100%		
Raised Post ALGear	Paying Customers		



What do accelerators look for?

- Able to have a fundable plan by program end
- Unique, compelling solution with strong market potential
- Capital efficiency ability to achieve significant milestones in short period of time
- Passion, commitment and capabilities of the team



Want More Info? Contact Us

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